

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=2; day=28; hr=12; min=12; sec=8; ms=848; ]

=====

Application No: 10501259 Version No: 2.0

Input Set:

Output Set:

Started: 2008-02-13 20:45:45.694  
Finished: 2008-02-13 20:45:46.437  
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 743 ms  
Total Warnings: 7  
Total Errors: 0  
No. of SeqIDs Defined: 11  
Actual SeqID Count: 11

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)

# SEQUENCE LISTING

<110> SHIOZAWA, SHUNICHI  
KOMAI, KOICHIRO  
NAKATSUKASA, MIKIKO

<120> DISEASE SUSCEPTIBILITY GENE FOR RHEUMATOID ARTHRITIS,  
PROTEIN THEREOF, EVALUATION METHOD AND EVALUATION KIT  
FOR EVALUATING ONSET POSSIBILITY OF RHEUMATOID  
ARTHRITIS BY USING THOSE, AND REMEDY AND CURING MEDICINE  
FOR RHEUMATOID ARTHRITIS

<130> 61646 (70904)

<140> 10501259

<141> 2004-07-09

<150> PCT/JP03/00089

<151> 2003-01-08

<150> JP 2002-005326

<151> 2002-01-11

<160> 11

<170> PatentIn Ver. 3.3

<210> 1

<211> 498

<212> PRT

<213> Homo sapiens

<400> 1

Met Thr Val Phe Leu Ser Phe Ala Phe Leu Ala Ala Ile Leu Thr His  
1 5 10 15

Ile Gly Cys Ser Asn Gln Arg Arg Ser Pro Glu Asn Ser Gly Arg Arg  
20 25 30

Tyr Asn Arg Ile Gln His Gly Gln Cys Ala Tyr Thr Phe Ile Leu Pro  
35 40 45

Glu His Asp Gly Asn Cys Arg Glu Ser Thr Thr Asp Gln Tyr Asn Thr  
50 55 60

Asn Ala Leu Gln Arg Asp Ala Pro His Val Glu Pro Asp Phe Ser Ser  
65 70 75 80

Gln Lys Leu Gln His Leu Glu His Val Met Glu Asn Tyr Thr Gln Trp  
85 90 95

Leu Gln Lys Leu Glu Asn Tyr Ile Val Glu Asn Met Lys Ser Glu Met  
100 105 110

Ala Gln Ile Gln Gln Asn Ala Val Gln Asn His Thr Ala Thr Met Leu  
115 120 125

Glu	Ile	Gly	Thr	Ser	Leu	Leu	Ser	Gln	Thr	Ala	Glu	Gln	Thr	Arg	Lys	130	135	140
Leu	Thr	Asp	Val	Glu	Thr	Gln	Val	Leu	Asn	Gln	Thr	Ser	Arg	Leu	Glu	145	150	155 160
Ile	Gln	Leu	Leu	Glu	Asn	Ser	Leu	Ser	Thr	Tyr	Lys	Leu	Glu	Lys	Gln	165	170	175
Leu	Leu	Gln	Gln	Thr	Asn	Glu	Ile	Leu	Lys	Ile	His	Glu	Lys	Asn	Ser	180	185	190
Leu	Leu	Glu	His	Lys	Ile	Leu	Glu	Met	Glu	Gly	Lys	His	Lys	Glu	Glu	195	200	205
Leu	Asp	Thr	Leu	Lys	Glu	Glu	Lys	Glu	Asn	Leu	Gln	Gly	Leu	Val	Thr	210	215	220
Arg	Gln	Thr	Tyr	Ile	Ile	Gln	Glu	Leu	Glu	Lys	Gln	Leu	Asn	Arg	Ala	225	230	235 240
Thr	Thr	Asn	Asn	Ser	Val	Leu	Gln	Lys	Gln	Gln	Leu	Glu	Leu	Met	Asp	245	250	255
Thr	Val	His	Asn	Leu	Val	Asn	Leu	Cys	Thr	Lys	Glu	Gly	Val	Leu	Leu	260	265	270
Lys	Gly	Gly	Lys	Arg	Glu	Glu	Glu	Lys	Pro	Phe	Arg	Asp	Cys	Ala	Asp	275	280	285
Val	Tyr	Gln	Ala	Gly	Phe	Asn	Lys	Ser	Gly	Ile	Tyr	Thr	Ile	Tyr	Ile	290	295	300
Asn	Asn	Met	Pro	Glu	Pro	Lys	Lys	Val	Phe	Cys	Asn	Met	Asp	Val	Asn	305	310	315 320
Gly	Gly	Gly	Trp	Thr	Val	Ile	Gln	His	Arg	Glu	Asp	Gly	Ser	Leu	Asp	325	330	335
Phe	Gln	Arg	Gly	Trp	Lys	Glu	Tyr	Lys	Met	Gly	Phe	Gly	Asn	Pro	Ser	340	345	350
Gly	Glu	Tyr	Trp	Leu	Gly	Asn	Glu	Phe	Ile	Phe	Ala	Ile	Thr	Ser	Gln	355	360	365
Arg	Gln	Tyr	Met	Leu	Arg	Ile	Glu	Leu	Met	Asp	Trp	Glu	Gly	Asn	Arg	370	375	380
Ala	Tyr	Ser	Gln	Tyr	Asp	Arg	Phe	His	Ile	Gly	Asn	Glu	Lys	Gln	Asn	385	390	395 400
Tyr	Arg	Leu	Tyr	Leu	Lys	Gly	His	Thr	Gly	Thr	Ala	Gly	Lys	Gln	Ser	405	410	415
Ser	Leu	Ile	Leu	His	Gly	Ala	Asp	Phe	Ser	Thr	Lys	Asp	Ala	Asp	Asn	420	425	430

Asp Asn Cys Met Cys Lys Cys Ala Leu Met Leu Thr Gly Gly Trp Trp  
435 440 445

Phe Asp Ala Cys Gly Pro Ser Asn Leu Asn Gly Met Phe Tyr Thr Ala  
450 455 460

Gly Gln Asn His Gly Lys Leu Asn Gly Ile Lys Trp His Tyr Phe Lys  
465 470 475 480

Gly Pro Ser Tyr Ser Leu Arg Ser Thr Thr Met Met Ile Arg Pro Leu  
485 490 495

Asp Phe

<210> 2

<211> 1497

<212> DNA

<213> Homo sapiens

<400> 2

```
atgacagttt tectttcctt tgetttcctc gctgccattc tgactcacat aggggtgcagc 60
aatcagcgcc gaagtccaga aaacagtggg agaagatata accggattca acatgggcaa 120
tgtgcctaca ctttcattct tccagaacac gatggcaact gtcgtgagag tacgacagac 180
cagtacaaca caaacgctct gcagagagat gctccacacg tggaaccgga tttctcttcc 240
cagaaacttc aacatctgga acatgtgatg gaaaattata ctcaagtggc gcaaaaactt 300
gagaattaca ttgtggaaaa catgaagtcg gagatggccc agatacagca gaatgcagtt 360
cagaaccaca cggctaccat gctggagata ggaaccagcc tcctctctca gactgcagag 420
cagaccagaa agctgacaga tgttgagacc caggtaacta atcaaaactc tcgacttgag 480
atacagctgc tggagaattc attatccacc tacaagctag agaagcaact tcttcaacag 540
acaaatgaaa tcttgaagat ccatgaaaaa aacagtttat tagaacataa aatcttagaa 600
atggaaggaa aacacaagga agagttggac accttaaagg aagagaaaga gaaccttcaa 660
ggcttggtta ctcgtaaac atatataatc caggagctgg aaaagcaatt aaacagagct 720
accaccaaca acagtgtcct tcagaagcag caactggagc tgatggacac agtccacaac 780
cttgtcaatc ttgtcactaa agaaggtggt ttactaaagg gaggaaaaag agaggaagag 840
aaaccattta gagactgtgc agatgtatat caagctgggt ttaataaaag tggaatctac 900
actatttata ttaataatat gccagaaccc aaaaagggtg tttgcaatat ggatgtcaat 960
gggggaggtt ggactgtaat acaacatcgt gaagatggaa gtctagattt ccaaagaggc 1020
tggaaggaat ataaaatggg ttttggaat ccctccggtg aatattggct ggggaatgag 1080
tttatttttg ccattaccag tcagaggcag tacatgctaa gaattgagtt aatggactgg 1140
gaagggaacc gagcctattc acagtatgac agattccaca taggaaatga aaagcaaac 1200
tataggttgt atttaaaagg tcacactggg acagcaggaa aacagagcag cctgatctta 1260
cacggtgctg atttcagcac taaagatgct gataatgaca actgtatgtg caaatgtgcc 1320
ctcatgttaa caggaggatg gtggtttgat gcttgtggcc cctccaatct aaatggaatg 1380
ttctatactg cgggacaaaa ccatggaaaa ctgaatggga taaagtggca ctacttcaa 1440
gggccagtt actccttacg ttccacaact atgatgattc gacctttaga tttttga 1497
```

<210> 3

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

oligonucleotide

<400> 3

gctggcagta caatgacag

19

<210> 4

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 4

tcaaaaatct aaaggtcgaa t

21

<210> 5

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 5

caaccttgtc aatctttgc

19

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 6

acaccttttt gggttctggc

20

<210> 7

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 7

tttgcgagag gcacggaa

18

<210> 8  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 8  
tataatcttct cccactgttt 20

<210> 9  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 9  
ttctctgctg ccattctgac tcacata 27

<210> 10  
<211> 13  
<212> DNA  
<213> Homo sapiens

<400> 10  
ttcttccaca aaa 13

<210> 11  
<211> 13  
<212> DNA  
<213> Homo sapiens

<400> 11  
gatttcttca aaa 13